



# EGE

## 100 Watt Poly - Crystalline Solar Module

EGE-100P

### Features

- ◆ Strong frame with higher resistance to snow and wind (mechanical load test of 5400Pa passed, instead of 2400Pa)
- ◆ High reliability with guaranteed +/-5% power output tolerance, ensuring return on investment
- ◆ Specification can be customized

### Quality and Safety

- ◆ Rigorous quality control meeting the highest international standards
- ◆ High-transmissivity low-iron 3.2mm tempered glass, extremely strong aluminium frame
- ◆ Secure embedding of sensitive glass edge using UV-resistant silicon
- ◆ IEC 61215 Certified / ISO 9001:2000 and ISO 14001:2004 certified
- ◆ conformity to CE

### Warranties

- ◆ 2 years limited product warranty
- ◆ 10 years at 90% of the minimal rated power output
- ◆ 25 years at 80% of the minimal rated power output





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## Electrical Characteristics

Maximum Power at STC (P <sub>max</sub> )	100W
Optimum Operating Voltage (V <sub>mp</sub> )	17.2 V
Optimum Operating Current (I <sub>mp</sub> )	6.42 A
Open-Circuit Voltage (V <sub>oc</sub> )	21.2 V
Short -Circuit Current (I <sub>sc</sub> )	7.46 A
Operating Temperature	-40 to 85 °C
Maximum System Voltage	DC1000
Maximum Series Fuse Rating	15A
Power Tolerance	+/-5%

## Mechanical Characteristics

Dimensions	1480mm*670mm*30mm
Front glass	3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction box	PV junction box IP65

## Temperature Coefficients

Nominal Operating Cell Temperature (NOCT)	45°C +/-2°C
Temperature Coefficient of P <sub>max</sub>	-0.5 %/°C
Temperature Coefficient of VOC	-0.34V/°C
Temperature Coefficient of ISC	+0.05%/°C

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